

# Lukas Warode

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B.A. Political Science | M.Sc. Data Science for Public Policy

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## Education

*Hertie School*, M.Sc. Data Science for Public Policy (Grade: 1.4) 2021 – 2023

Thesis: “Scaling Political Actors across Parliamentary Speeches and Tweets: Evidence from the 19th German Legislative Period”

### Covered Areas

- Data Science with R and Python
- Machine Learning, Deep Learning and its Mathematical Foundations
- NLP, Network Science and its Applications in Social Science Research
- Causal Inference
- Economics
- Public Policy, the Policy Process and its Legal Basis

*University of Bremen*, B.A. Political Science (Grade: 1.3) 2017 – 2021

Strongly above-average grades (part of the best 2% of the cohort)

Thesis: “The 2014 and 2019 European Elections in the Context of Second-Order Elections”

### Focus Areas

- (Applied) Statistics and Quantitative Methods
- Comparative Politics
- Election and Party Research
- Political Economy

*Queen’s University Belfast*, Exchange Semester 2019

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## Work Experience

### Academia

Research Assistant, *WZB Berlin Social Science Center* 10/2021 – 05/2022

- Project *Transformations of Democracy*

Prof. Daniel Ziblatt, Ph.D.

Tutor in Statistics, *University of Bremen* · *Faculty of Social Sciences* 11/2020 – 03/2021

Research Assistant, *University of Bremen* · *SOCIUM* 03/2018 – 12/2020

- Project *Careers in Comparison*

Prof. Dr. Philip Manow & Dr. Valentin Schröder

- Project *ParlGov*

Dr. Holger Döring & Prof. Dr. Philip Manow

- Preparing lecture “Introduction to Comparative Politics”
- Assisting a research paper

Dr. Alexander Gattig & Prof. Dr. Philip Manow

## Private Sector

Data Research Working Student, <i>POLITICO Europe</i>	10/2022 – 07/2023
Data Science & Research Intern, Project <i>Open Discourse</i> – Limebit	07/2022 – 08/2022
Data Journalism Intern, <i>Süddeutsche Zeitung</i>	06/2021 – 07/2021
Data Science Intern, <i>eoda GmbH</i>	01/2021 – 03/2021
Graphic Design Intern, <i>liauw konzept und design</i>	10/2016 – 01/2017

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## Volunteering and Memberships

Participation in Bayesian Inference Reading Group led by Dr. Will Lowe, <i>Hertie School</i>	01/2023 – today
Student Representative, <i>Hertie School</i> · <i>Master of Data Science for Public Policy</i>	09/2022 – today
CorrelAid ( <i>Data Science for Good</i> )	06/2019 – today
<ul style="list-style-type: none"><li>· Organizing the <i>Local Chapter Bremen</i></li><li>· Participating in voluntary Data Science project with <i>Mehr Demokratie e.V.</i></li><li>· Participating in Mentoring Program as Mentor</li><li>· Presenting (Political) Data Science projects at “Data Meetups”</li></ul>	
Member of the appointment committee, <i>Professorship for Quantitative Methods, University of Bremen</i> · <i>Faculty of Social Sciences</i>	10/2020
Voluntary activity as an election worker, <i>State of Bremen</i>	05/2019
Voluntary involvement in a community as a group leader, <i>St. Raphael Bremen</i>	2015 – 2017

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## Skills

### Language

German (mother tongue)  
English (fluent | TOEFL iBT · Score: 110/120 · C1 – C2)  
French (basics)

### Statistical Packages

R / *tidyverse* (advanced to semi-professional)

- Data manipulation
- Data visualization
- Statistical methods
- Interactive tools (R Markdown, Shiny)
- Project and package development

Stata (advanced)

Mplus (basics)

## Computer Knowledge

Python (basics – advanced)

- Data manipulation
- Data visualization
- Machine Learning methods

SQL (basics)

L<sup>A</sup>T<sub>E</sub>X(basics)

MS Office – Word, Excel, PowerPoint (basics – advanced)

Adobe Creative Cloud - InDesign, Photoshop, Illustrator, Dreamweaver, Lightroom (basics – advanced)

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## Publications and Projects

PUBLISHED

### Data Science Projects

**opendiscouRse**: R Package using [Open Discourse](#) database

- Package containing functions to obtain descriptive statistics and analyses for external and internal usage
- Current state: In development

**ParlGov Dashboard**: R Shiny Dashboard using [ParlGov](#) database

- Comprehensive data visualizations and tables on parties, elections and cabinets
- [Source Code](#)

**legislatoR+**: R Shiny App using [Comparative Legislators Database](#)

- Master's class final course project, geographical and distributional visualizations of German MPs
- [Source Code and Project Description](#)

**Whisky Dashboard**: R Shiny App using taste data on Scottish Single Malt Whiskies

- Categorical and geographical visualizations
- [Source Code and further Analyses](#)

### Academic Articles

Richter, F., Koch, P., Franke, O., Kraus, J., Warode, L., & Heine, S. (2023). *Open Discourse: Towards the first fully Comprehensive and Annotated Corpus of the Parliamentary Protocols of the German Bundestag*. SocArXiv. <https://doi.org/10.31235/osf.io/dx87u>

### Non-Academic Articles

[Schnelltests liefern mangelhafte Ergebnisse](#), *Süddeutsche Zeitung*, co-author: Markus Hametner

[Warum die Impfkampagne stockt](#), *Süddeutsche Zeitung*, co-authors: Simon Groß, Berit Kruse and Sören Müller-Hansen